



FORM PTO-1449		ATTY. DOCKET NO. I-1-0064.5US	SERIAL NO. 10/757,222
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Kaewell et al.	
		FILING DATE January 14, 2004	GROUP 2618

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,916,110	10/1975	Lee et al.			
		3,978,292	08/1976	Hill et al.			
		4,130,731	12/1978	Bolgiano et al.			
		4,239,941	12/1980	Gauthier et al.			
		4,272,650	06/1981	Bolgiano et al.			
		4,273,964	06/1981	Szpindel			
		4,317,963	03/1982	Chea, Jr.			
		4,365,116	12/1982	Pira et al.			
		4,436,960	03/1984	Harmon, Jr.			
		4,465,967	08/1984	Tokunaga et al. ¹			
		4,477,697	10/1984	Judd et al.			
		4,509,199	04/1985	Ichihara			
		4,577,315	03/1986	Otsuka			
		4,584,576	04/1986	Forestier et al.			
		4,631,361	12/1986	Miller			
		4,675,863	06/1987	Paneth et al.			
		4,713,809	12/1987	Mizota ²			
		4,726,051	02/1988	Schuermann			
		4,731,814	03/1988	Becker et al.			
		4,777,633	10/1988	Fletcher et al.			
		4,794,649	12/1988	Fujiwara			
		4,841,565	06/1989	Siligoni et al.			
		4,866,766	12/1989	Mitzlaff			

¹ Corresponds to JP 57-125421² Corresponds to EP 0210811

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,870,698	09/1989	Katsuyama et al. ³			
		4,924,511	05/1990	Burns et al.			
		4,942,600	07/1990	Kaisha			
		4,962,527	10/1990	Burns et al.			
		4,964,121	10/1990	Moore			
		5,001,748	03/1991	Burns et al.			
		5,008,900	04/1991	Critchlow et al.			
		5,140,698	08/1992	Toko			
		5,150,361	09/1992	Wieczorek et al.			
		5,193,211	03/1993	Nobusawa			
		5,193,212	03/1993	Son			
		5,203,020	04/1993	Sato et al.			
		5,241,542	08/1993	Natarajan et al.			
		5,251,232	10/1993	Nonami ⁴			
		5,278,831	01/1994	Mabay et al.			
		5,280,644	01/1994	Vannatta et al.			
		5,287,555	02/1994	Wilson et al.			
		5,303,420	04/1994	Jang			
		5,323,456	06/1994	Oprea			
		5,371,734	12/1994	Fischer			
		5,392,287	02/1995	Tiedemann, Jr. et al.			
		5,491,718	02/1996	Gould et al.			
		5,590,396	12/1996	Henry			
		5,594,737	01/1997	Pillekamp ⁵			

³ Corresponds to JP 63-226124⁴ Corresponds to JP 04278740⁵ Corresponds to DE 9214886 and JP 7508867

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,603,081	02/1997	Raith et al.			
		5,636,243	06/1997	Tanaka			
		5,666,355	09/1997	Huah et al.			
		6,104,917	08/2000	Ketonen			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		0 210 811	02/1987	EP			X	
		0 358 166	03/1990	EP				
		0 452 877	10/1991	EP				
		0 494 459	07/1992	EP				
		1 079 530	02/2001	EP				
		0 582 391	02/1994	EP ⁶			X	
		01-245728	09/1989	JP			X ^{**}	
		02-060237	02/1990	JP			X ^{**}	
	*	02-100554	04/1990	JP			X ^{**}	
		02-257744	10/1990	JP			X ^{**}	
		02-280636	11/1990	JP				
		03-023725	01/1991	JP			X ^{**}	
		04-160908	06/1992	JP			X ^{**}	
		04-236544	08/1992	JP			X ^{**}	
		04-278757	10/1992	JP				
		04-315320	11/1992	JP				
		05-297975	11/1993	JP			X ^{**}	

⁶ Corresponds to JP 6104815

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		05-316059	11/1993	JP				
		06-084391	03/1994	JP			X"	
		06-141354	05/1994	JP				
		06-97993	04/1994	JP				
		55-070161	05/1980	JP			X"	
		58-087923	05/1983	JP				
		62-072238	04/1987	JP				
		62-203429	09/1987	JP			X"	
		63-136835	06/1988	JP			X"	
		7202789	08/1995	JP				
		7321694	12/1995	JP				
		819041	1996	JP				
		93/06682	04/1993	WO				
		90/11652	10/1990	WO ⁷				
		94/10812	05/1994	WO ⁸				

OTHER DOCUMENTS		
EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		AMD SLIC Application Note Am79M53X/Am7957X, Advanced Micro Devices, (11/1991).
		Datasheet of the AMD AM79535 Subscriber Line Interface, issued by AMD July 1998 XP002200906.

⁷ Corresponds to JP 0450434

⁸ Corresponds to JP 7508867

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		Multiple-Line-Subscriber Quad-Line-Module (QLM) Schematic, Nexus Applied Research, Inc., (11/5/93).
		Ultraphone PROD 3 Schematic Diagram, Drawing No. BE80002, Sheet 10 of 16, InterDigital Communications Corporation, (05/20/1992).
		D.M. BEAUPRE, "Five Years of IDMA Subscriber Radio", pp. 375-379, IEE International Conference on Communications ICC '83, Boston, MA, (06/19-22/1983).
		D.M. BEAUPRE ET AL., "A New Point to Multipoint Microwave Radio System", pp. 47-51, 6th International Symposium on Subscriber Loops and Services (ISSLS 84), Nice, (10/01-05/1984).
		FUJITSU CORPORATION, "Speech Signal Processing for Mobile Communications," Vol. 45, No. 2, March, 1994 issue, Fujitsu Ltd., pp. 129-136, (03/10/1994). AB
		NATIONAL SEMICONDUCTOR CORPORATION, "CMOS Integrated Circuits," pp. 1-7, (1978).
		PAVELKA, RICHARD E., "Ringin, Tone and Cadence Requirements for Nonswitched Loads in Digital Central Offices", Intelec '88,-Tenth International Telecommunications Energy, pp. 326-333, (1988-10-30).

X" English language translation is not available. English language abstract provided.

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